

## U.S. DEPARTMENT OF LABOR WORKPLACE STANDARDS ADMINISTRATION BUREAU OF LABOR STANDARDS

FORM NO OSHA-20 (MODIFIED)
MAY 1971

FEB 0 8 1980 CONTROL NO.\_\_\_\_

	MATER	RIAL SAFI	ETY DATA SHEET	THOL HO.		
SECT	ION I- MATE	DIAL AND MA	ANUFACTURER IDENTIFICATION		·	
MANUFACTURER'S NAME	IUN I. MATE	MIAL AND III	EMERGENCY T	ELEPHONI	E NO.	
DeSoto, Inc. Address (NUMBER, STREET, CITY, STATE AND Z						
ADDRESS (NUMBER, STREET, CITY, STATE AND Z	IP CODE)					
Fourth and Cedar Streets, Berke	eley, Ca	lifornia	94710 TRADE NAME AND SYNONYMS		<u></u>	
Pigmented Polyester			Polyurethane Abrasion Res	ictant	Enamol	
			FORMULA	75 04110	Litanici	
Polyester	CEATI	ON 11. 11070F	822T203			
	3EU 1	TLV	RDOUS INGREDIENTS*	I I	TLV	
PAINTS, PRESERVATIVES/SOLVENTS	%	(UNITS)	ALLOYS AND METALLIC COATINGS	%	(UNITS)	
PIGMENTS			BASE METAL			
Titanium Dioxide	20.5		A1 L 0/0			
CATALYST			ALLOYS			
VEHICLE			METALLIC COATINGS			
Polyester	27.5					
SOLVENTS			FILLER METAL PLUS			
See below ADDITIVES	52.0		COATING OR CORE FLUX OTHERS			
ADDITIVES			UTHERS			
OTHERS		<u> </u>				
				<u> </u>	TLV	
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*						
Solvents include: Butyl	Acetate	, Ethyl/	Acetate, Methyl Isobutyl Ketone			
			·			
		FOTION III.	DUVCIOAL DATA			
	2	ECTION III: I	PHYSICAL DATA  SPECIFIC GRAVITY (H <sub>2</sub> O = 1)			
BOILING POINT (OF)		171	-		1,142	
VAPOR PRESSURE (mm Hg.)		·	PERCENT VOLATILE			
	orox.	100	BY VOLUME (%)		<u> 67.6</u>	
VAPOR DENSITY (AIR = 1)			(Butyl Acetate 1)		6.15	
SOLUBILITY IN WATER Insoluble			Bay! Necdade -/			
APPEARANCE AND ODOR Gray liquid	, ester	odor				
	SECTION IV	: FIRE AND I	EXPLOSION HAZARD DATA			
FLASH POINT (METHOD USED) 45°F	тос		FLAMMABLE LIMITS	_el	Uel	
EXTINGUISHING MEDIA	100	·····				
	ry Chemi	cal				
SPECIAL FIRE FIGHTING PROCEDURES					,	

UNUSUAL FIRE AND EXPLOSION HAZARDS

Flamable Liquid

\*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS UPETROLEUM HYDROCARBONS, ALCOHOL, KETONES. USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

		Santan and a proper state	160000	750 F-044 F-044 F-044 F-044	28.2000,000-000 <u>-</u>	49000		the transfer	
TUBECHOLD LIMIT VALL			30 <u>-10</u> 0 <u>20</u> 0 100	SEC	CTIO	N V	V: HEALTH HAZARD DATA		
THRESHOLD LIMIT VALL		00 PRM	Raco	mmand	hah				
EFFECTS OF OVEREXPO	SURE							<u></u>	
Irrit	ation o	f skin,	eye	s, or	re	esp	spiratory tract		
								<del></del>	
EMERGENCY AND FIRST	AID PROCE	DURES							
			irr	igate	e ey	/es	es with water, wash skin with soap and water		
City,		•							
Control of the Contro	-								
								Les 1974 : 1 - 12 - 13 - 18 - 18 - 18 - 18 - 18 - 18 - 18	
			Ť				VI: REACTIVITY DATA TO AVOID		
	UNSTABLE		COND	HON	<b>J</b> 1	10 A VOID			
STABILITY	e a								
		TABLE	Х						
INCOMPATIBILITY (MATE	RIALS TO	AVOID)							
HAZARDOUS DECOMPOSI	TION PROD	HOTE	·						
MAZANDOOS DECOMI COI	TION TROD	0013							
dan		WAY 000			T	С	CONDITIONS TO AVOID		
HAZARDOUS		MAY OCC	UK						
POLYMERIZATION		WILL NO	T OCC	UR	Х	١.			
	· · · · · · · · · · · · · · · · · · ·	<u> </u>			<u>  ^</u>	<u> </u>			
				SECTIO	N VI	l: S	SPILL OR LEAK PROCEDURES		
STEPS TO BE TAKEN IN									
Kemov	/e damag	jed cont	aine	ers, V	Masi	<u> </u>	with Ketone or Ester solvents		
WASTE DISPOSAL METHO	D								
<b>Control of the Control of the Contr</b>				**************************************	T-4770004/10-00				
China and the second se	- W								
				NEW EXPENSION OF		ST CONTRACT			
DESCRIPATORY PROTECT	ION (CDEOL	EV EVOE	SEC	TION VI	II: SI	PE(	ECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECT	ion (SPECI		n.	Air	mas	sk	k		
71004	LOCAL E						SPECIAL		
VENTILATION	Ade	Adequate							
	MECHANIC	CAL (GENE	RAL)				OTHER		
PROTECTIVE GLOVES	<u> </u>						EYE PROTECTION		
Yes							Yes		
OTHER PROTECTIVE EQ	UIPMENT				•				
Prote	ective o	clothing	3						
				SECT	TION	IX:	X: SPECIAL PRECAUTIONS		
PRECAUTIONS TO BE TA					cto	wo.	e near heat or flame		
שם ווטנ צנטויי	a above	100 F.	טט	HUL S	S (0	16	e Hear Heat Or Frame		
								a a	
OTHER PRECAUTIONS	·			· · · · · · · · · · · · · · · · · · ·					
Requires IC	C Red La	abel							
\$11/11:10	ca	T. 0	~ D)	0	•		0/17/70		
PREPARED BY		Colonie	cale	<u>Jego</u> ,	res	0r	2/17/72 DATE		
/ / NEI ANED DI				•			PD 15		



## U.S. DEPARTMENT OF LABOR WORKPLACE STANDARDS ADMINISTRATION BUREAU OF LABOR STANDARDS

## MATERIAL SAFETY DATA SHEET

FORM NO OSHA-20 (MODIFIED)

MDC CONTROL NO.\_\_\_\_

FEB 08 1982

SECTION	: MATE	ERIAL AND MA	NUFACTURER IDENTIFICATION			
MANUFACTURER'S NAME				ERGENCY TELEPH	IONE NO.	grijanski jeden
DeSoto, Inc. ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP C	ODE)					
Fourth & Cedar Streets, Berkeley CHEMICAL NAME AND SYNONYMS		lifornia	94710		·	d
			TRADE NAME AND SYNONYM Polyurethan Abrasic			
Polyisocyanate solution			FORMULA FORMULA	Scanc Scanc	lution	
Polyisocyanate	400.000		910-152		turius significance de la compressión	
	SECT		DOUS INGREDIENTS*		Y	
PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC CO.	ATINGS	% TL	
PIGMENTS			BASE METAL			
CATALYST			ALLOYS			WWW.WW.
VEHICLE	F0 /		METALLIC COATINGS			,
Polyisocyanate (aliphatic) SOLVENTS	52.	<u> </u>	FILLER METAL PLUS			
See below	47.	  B	COATING OR CORE FLUX			
ADDITIVES			OTHERS			
OTHERS						
	1	<u> </u>				_V `
HAZARDOUS MIX	XTURE	S OF OTHER L	IQUIDS, SOLIDS, OR GASES*			LV IITS)
Solvents include: Methyl Ethyl Ketone, Cellosolve Acetate, Xylene 47.8						
,						
		SECTION III: P	HYSICAL DATA			5000000000 <del>0</del> 000
BOILING POINT (°F)			SPECIFIC GRAVITY (H <sub>2</sub> 0 = 1)		0.96	55
		176	PERCENT VOLATILE		0.30	<u> </u>
VAPOR PRESSURE (mm Hg.) Approx.		100	BY VOLUME (%)		54.2	2
VAPOR DENSITY (AIR = 1)			EVAPORATION RATE Butyl Acetate= 1)		5.72	2
SOLUBILITY IN WATER Insoluble						
APPEARANCE AND ODOR Clear light str	raw r	colored li	quid. Ketone odor.			
			XPLOSION HAZARD DATA	_		
ELACH POINT (METHOD USED)	HONT	ALTINE AND L	FLAMMABLE LIMITS	Lel	Ŭe	Ī
22°F TOC						
EXTINGUISHING MEDIA CO <sub>2</sub> , Dry cl	nemi c	a1				
SPECIAL FIRE FIGHTING PROCEDURES						
						**************************************
TIMUSUAL FIRE AND EVELOSION HAZARDS						
UNUSUAL FIRE AND EXPLOSION HAZARDS Flamable 1	iquid	i			•	

							· ·			
				SE	CTIO	N	V: HEALTH HAZARD DATA			
THRESHOLD LIMIT VALU	JE	100	PRM	recor	mmer	าd	ed			
EFFECTS OF OVEREXPO	SURE	·								
Company when the control of the cont	Irr	itation	of	skin	, ey	ye	s and respiratory tract.			
								\		
EMERGENCY AND FIRST										
	Was	h skin	with	ı soa	p ar	nd	water. Irrigate eyes with water.			
	Rem	ove fro	m va	anors						
		·		<del>., po , s</del>	•	Contractor				
				SI	ECTIO	ON	VI: REACTIVITY DATA			
	UNS	UNSTABLE			TION ess	TO AVOID e moisture, alcohols, amines.				
STABILITY			Х	2.3333113 11013 3413 3413 1103 1						
		STABLE								
INCOMPATIBILITY (MATI	ERIALS TO	AVOID)								
HAZARDOUS DECOMPOSI	TION PROD	UCTS						DATE AND THE STREET		
	Non	ie								
		MAY OCC	UR			I	CONDITIONS TO AVOID			
HAZARDOUS POLYMERIZATION	-				-	╀				
- OLIMENIZATION		WILL NO.	т осс	:UR	Х					
	100 to 10 to			CECTIO	ON VI	nes	SPILL OR LEAK PROCEDURES			
STEPS TO BE TAKEN IN	CASE MATE	RIAL IS RE								
-	Remove d	lamaged	cont	taine	rs.		D Clean with Ketone solvents	<u> </u>		
					w2w 1					
WASTE DISPOSAL METHO	DD									
- in the second										
CONTROL OF THE PROPERTY OF THE										
			SEC	TION V	/III· SI	PF	CIAL PROTECTION INFORMATION			
RESPIRATORY PROTECT	ION (SPECI	FY TYPE)				.68330				
	1		Ade	equat	e ve	er	tilation. Air mask			
VENTU ATION	LOCAL E	XHAUST	Ade	equat	e ve	er	special special			
VENTILATION	MECHANIC	CAL (GENE		2 4 4 4 4			OTHER			
40	<u> </u>									
PROTECTIVE GLOVES	Yes						EYE PROTECTION Yes			
OTHER PROTECTIVE EQ							103			
	Pr	rotectiv	ve c	lothi	ng	ELVENO:				
PRECAUTIONS TO BE TA	KEN IN UA	VIDLUNIC AN	D CTO	SEC	TION	)	(: SPECIAL PRECAUTIONS			
					t s	to	ore near heat or flame.			
OTHER PRECAUTIONS	v		· · · · · · · · · · · · · · · · · · ·							
OTHER PRECAUTIONS	Required	I ICC Re	ed La	abe1						
Alli M	SR.		()		<b>v</b>					
Jo Mulh	- Jed	meal	Jay	<u> 20-1</u> 45	sor		2/18/72			
( FREPARED BY			Q	=			DATE			